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Walt WE
file: Burial Container
Weapons

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Joe - re: par. 4
Have you taken this
up w/ the Log people?

24 January 1957

WE
31 Jan 57

MEMORANDUM FOR THE RECORD

SUBJECT: Burial Container, Weapons

1. On 18 January 1957 the undersigned visited the Technology Engineering Company, Brockton, Mass., for the purpose of inspecting ten (10) burial containers having a 45" inside height. The gasket compressions were as follows:

Container	
1	.071-.073-.082-.087
2	.075-.071-.085-.075
3	.064-.090-.082-.063
4	.082-.086-.071-.077
5	.081-.090-.065-.083
6	.068-.074-.089-.070
7	.063-.064-.063-.068
8	.060-.077-.081-.085
9	.065-.060-.063-.062
10	.060-.060-.065-.075

2. The ten containers were given the quick leak test which consisted of cooling at 22°F (outdoors) and plunging into a water bath between 170 and 180°F. Two leaks were found along the back butt weld on one container and one leak on a second container. These leaks were rewelded and tested. It is interesting to note that the containers had already been inspected by the manufacturer. The containers were then to have Army type handles welded on, be retested, and then painted. As there were only enough handles for eight containers Mr. Myers agreed to bring two containers from a previous over-production back from the paint shop and give them a quick leak test before inclusion in the ten to be delivered on 22 January.

3. During the quick leak test a guage with special cover was attached to a 45" container. The guage only reached 2½ lbs. This appears in error as:

$$22^{\circ}\text{F} = -6^{\circ}\text{C} \therefore \text{C} + 273 = 267^{\circ}\text{abs}$$

$$170^{\circ}\text{F} = 77^{\circ}\text{C} \therefore \text{C} + 273 = 350^{\circ}\text{abs}$$

$$\frac{P_1 V_1}{T_1} = \frac{P_2 V_2}{T_2} \quad \frac{760 \text{ mm}}{267^{\circ}} = \frac{P_2}{350^{\circ}}$$

$$P_2 = 996 \text{ mm} \quad \frac{760 \text{ mm}}{1000 \text{ mm}} = 14.7 \text{ lb/in}^2$$

$$1000 \text{ mm} = 19.34 \text{ lb/in}^2$$

$$19.4 - 14.7 = 4.7 \text{ lb/in}^2$$

4. It was noted that the manufacturer was no longer performing the body inspection calling for 5PSI of air pressure. As far as can be

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determined this test was not performed during the Logistics Office production of 3000. This is a serious omission in inspection procedures.

The undersigned pointed out that this test must be performed on all future fabrications. All 75 containers will probably be made during the next four weeks.




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P.S. It is reported that the 10 containers will ETA  on 30 January 1957 (25446 moif)

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5 Feb '57

Called  and he is running 5-psi test on all containers. Rest of containers may be read, w/h of 25 Feb '57

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